

REMARKS

At the outset, the Examiner is thanked for the thorough review and consideration of the pending application. The Office Action dated May 2, 2005 has been received and its contents carefully reviewed.

Claims 1 and 5 are hereby amended. Accordingly, claims 1–7 are pending. Reexamination and reconsideration of the pending claims are respectfully requested.

In the Office Action, claim 1 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Applicant Related Art (hereinafter “ARA”) in view of U.S. Patent No. 6,661,401 to Sekine (hereinafter “Sekine”); claim 2 is rejected under 35 U.S.C. § 103(a) as being unpatentable over ARA in view of Sekine, and further in view of U.S. Patent No. 6,577,293 to Kwon (hereinafter “Kwon”); claim 3 is rejected under 35 U.S.C. § 103(a) as being unpatentable over ARA in view of Sekine, and further in view of U.S. Patent No. 5,714,953 to Mitani et al. (hereinafter “Mitani”); claim 5 is rejected under 35 U.S.C. § 103(a) as being unpatentable over ARA in view of Sekine, and further in view of Kwon; claim 6 is rejected under 35 U.S.C. § 103(a) as being unpatentable over ARA and Sekine in view of Kwon, and further in view of Mitani; and claims 4 and 7 are objected to as being dependent upon a rejected base claim.

Applicant respectfully notes that claims 4 and 7 contain allowable subject matter.

In the Office Action, claim 1 is rejected under 35 U.S.C. § 103(a) as being unpatentable over ARA in view of Sekine. Applicant respectfully traverses the rejection and requests reconsideration. Independent claim 1 is allowable over any combination of ARA and Sekine in that it recites “a plurality of digital to analog converters for converting digital image signals output from the timing controller to analog image signals based on a color gray level displayed and receiving the selection signal ... wherein the selection signal selects an appropriate converter of the plurality of digital to analog converters to be driven according to the color gray level.” Nothing in ARA and Sekine, alone or in combination, teaches at least this feature of the claimed invention. In contrast, Sekine teaches “[f]or each of the liquid crystal displays 50 for R (red), G (green), and B (blue), the video signal generating block comprises ... a DAC circuit 16.”

(Column 5, lines 17–25; and FIG. 1). As such, Sekine teaches a single DAC for each R, G, and B display. Accordingly, Applicant respectfully submits that claim 1 is allowable over any combination of ARA and Sekine.

In the Office Action, claim 2 is rejected under 35 U.S.C. § 103(a) as being unpatentable over ARA in view of Sekine, and further in view of Kwon. Applicant respectfully traverses the rejection of claim 2 and requests reconsideration in that the additional reference, Kwon, fails to cure the deficiency of ARA and Sekine to teach or suggest “a plurality of digital to analog converters for converting digital image signals output from the timing controller to analog image signals based on a color gray level displayed and receiving the selection signal ... wherein the selection signal selects an appropriate converter of the plurality of digital to analog converters to be driven according to the color gray level.” In contrast, Kwon teaches a single digital/analog converter. (Column 7, line 3; and reference 24 of FIG. 2). Accordingly, Applicant respectfully submits that claim 2 is allowable over any combination of ARA, Sekine, and Kwon.

In the Office Action, claim 3 is rejected under 35 U.S.C. § 103(a) as being unpatentable over ARA in view of Sekine, and further in view of Mitani. Applicant respectfully traverses the rejection of claim 3 and requests reconsideration. Claim 3 is allowable in that it recites a “second digital to analog converter serving to obtain a low gray (2 gray, 1 bit) image.” Nothing in ARA, Sekine, and Mitani, alone or in combination, teaches or suggests at least this feature of the claimed invention. Accordingly, Applicant respectfully submits that claim 3 is allowable over any combination of ARA, Sekine, and Mitani.

In the Office Action, claim 5 is rejected under 35 U.S.C. § 103(a) as being unpatentable over ARA in view of Sekine, and further in view of Kwon. Applicant respectfully traverses the rejection and requests reconsideration. Independent claim 5 is allowable in that it recites “a plurality of digital to analog converters for converting digital image signals output from the timing controller to analog image signals based on a color gray level displayed and receiving the selection signal ... wherein the selection signal selects an appropriate converter of the plurality of digital to analog converters to be driven according to the color gray level.” Nothing in ARA, Sekine, and Kwon, alone or in combination, teaches or suggests at least this

feature of the claimed invention. Accordingly, Applicant respectfully submits that claim 5 is allowable over any combination of ARA, Sekine, and Kwon.

In the Office Action, claim 6 is rejected under 35 U.S.C. § 103(a) as being unpatentable over ARA and Sekine in view of Kwon, and further in view of Mitani. Applicant respectfully traverses the rejection and requests reconsideration. Claim 6 is allowable in that it recites a “second digital to analog converter serving to obtain a low gray (2 gray, 1 bit) image.” Nothing in ARA, Sekine, Kwon, and Mitani, alone or in combination, teaches or suggests at least this feature of the claimed invention. Accordingly, Applicant respectfully submits that claim 6 is allowable over any combination of ARA, Sekine, Kwon, and Mitani.

Applicants believe the foregoing amendments place the application in condition for allowance and early, favorable action is respectfully solicited.

If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at (202) 496-7500 to discuss the steps necessary for placing the application in condition for allowance. All correspondence should continue to be sent to the below-listed address.

If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time, or any other fees required to complete the filing of this response, may be charged to Deposit Account No. 50-0911. Please credit any overpayment to deposit Account No. 50-0911. A duplicate copy of this sheet is enclosed.

Application No.: 10/034,185
Amendment filed on September 28, 2005
Reply to Office Action dated May 2, 2005

Docket No.: 8734.045.00

The undersigned hereby signs this filing under the authority provided by 37 C.F.R. §1.34 pending the filing of a Power of Attorney and Statement under 3.73(b) executed by Assignee.

Dated: September 28, 2005

Respectfully submitted,

By Valerie P. Hayes
Valerie P. Hayes
Registration No.: 53,005
McKENNA LONG & ALDRIDGE LLP
1900 K Street, N.W.
Washington, DC 20006
(202) 496-7500
Attorney for Applicants